



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: **Second Tuesday** of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the **First Tuesday** of each month.
- On the **fourth Tuesday** of every month, in-person meeting at Ridge Road Baptist Church where there will be project tables, demos, snacks, and socializing.



PUBLIC SERVICE EVENTS

Interested in helping? Visit
<https://www.rars.org/public-service.php>

frequently for our ham public service schedule.

RARS General Meeting

Main Topic: Positive Train Control and 220 MHz by Todd Ellis N2XL.

Date: May 9, 2023

Time: Meeting at 7:30 PM, informal gathering at 7PM on Zoom.

RARS In Person Meeting

Date: May 23, 2023

Where: Ridge Road Baptist Church

Time: 7:00 PM

On the fourth Tuesday of every month. In-person meeting at Ridge Road Baptist Church where there will be project tables, demos, snacks, and socializing.

RARS Officers

PRESIDENT

John Honeycutt
N8ZU
919.417.2477
jfh49@bellsouth.net

VICE PRESIDENT

Chuck Till
K4RGN
k4rgn@arrl.net

SECRETARY

Mark Kilmer
KM4JRH
919.676.0110
mark.kilmer@gmail.com

TREASURER

Greg Seamster
KE4PAX
919.859.0029
KE4PAX@arrl.net



The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Regular dues for licensed amateurs are \$18 per year. (From July 1 through June 30.) Additional licensed immediate family members pay \$5 each per year. Dues for licensed full time students and licensed seniors 60 and over are \$12 per year. Unlicensed individuals may become associate members for \$9 per year. Applications for membership are available from the treasurer or on the RARS web site.

<https://www.rars.org>

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the Saturday that is ten days before the general meeting. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

April 11, 2023 RARS meeting

The meeting was held on Zoom. Many members connected from 7PM on. The meeting started at 7:30 PM. President John Honeycutt, N8ZU, ran the formal part of the meeting. John opened the meeting with the pledge to allegiance. Greg gave a treasurers report. Nancy, KB2TNR, discussed the success of our RARSfest last Saturday. Alan, AB4OZ, spoke about the next free AB4OZ hamfest which will be held on May 13th. Tadd, KA2DEW, talked about our in person meeting that is held at the church on the forth Tuesday of the month. Two di-poles are setup one on 20 and one on 40 meters to make HF contacts. VE testing will be done. John noted that FD is the last weekend of June. Jeremy K2HJX, talked about the next public service event, volunteers are needed. Visit the website to signup, [RARS | Public Service](https://www.rars.org). John stated that the next RARS board meeting is April 18 on Zoom.

Chuck Till, K4RGN introduced Chuck DeCourt, W3WZN & Danny Hampton, K4ITL who spoke about the RARS repeaters.



Chuck Till, K4RGN, RARS VP



Chuck DeCourt, W3WZN



Danny Hampton, K4ITL

April 11, 2023 RARS meeting, continued



RARS Repeaters Agenda

- Welcome
- General Overview
- Fair Grounds
- Bayleaf
- RTP
- Raleigh Towers
- Other local systems
- Questions
- Resources







RARS Repeaters Welcome


**K4ITL
Danny Hampton**

RARS Repeater Technical Advisor
President, Southeastern Repeater Association
Director, North Carolina SERA
Technical Coordinator, NC Section, ARRL
Creator / Coordinator of PCRN and NCPRN,
ARRL 2009 Amateur of the Year





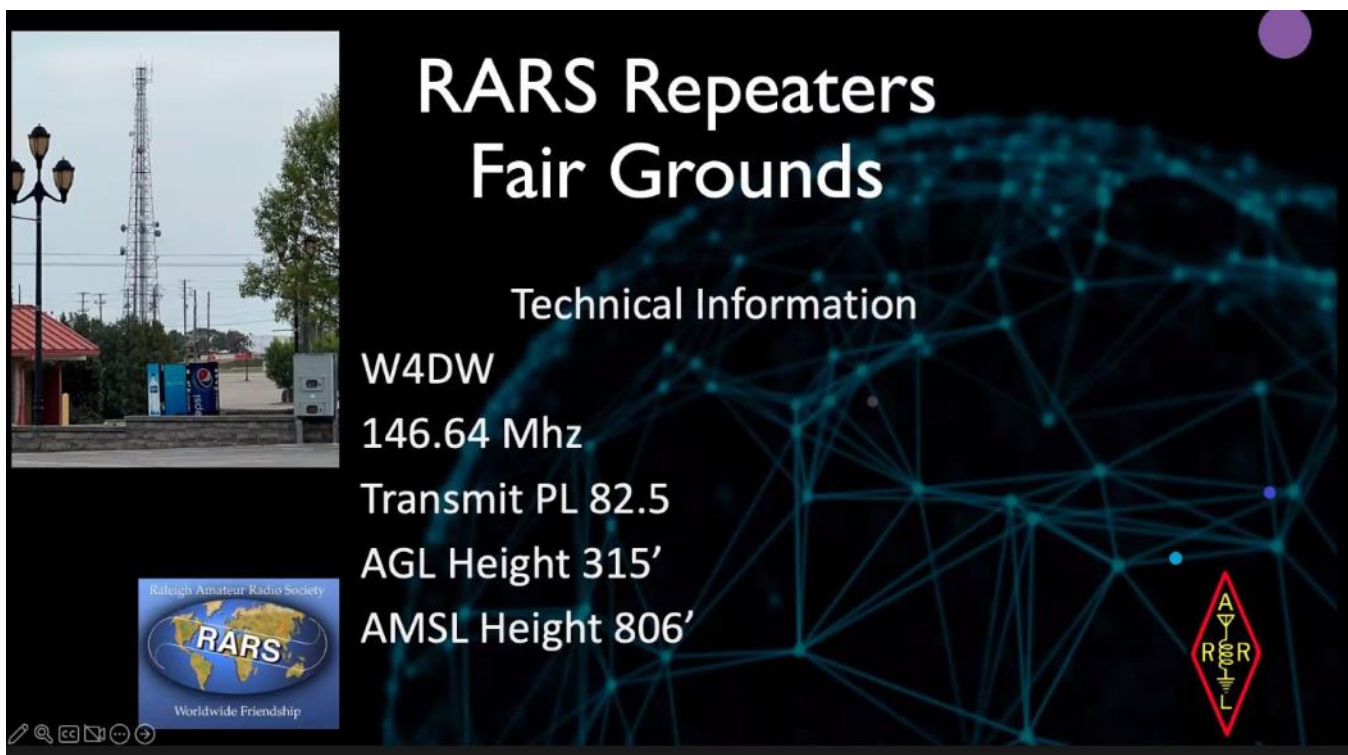


**RARS Repeaters
General Overview**

- All sites have short term UPS
- All sites excluding Bayleaf have generator backup
- Capital Towers is our newest site
- RTP and Cap Towers sites are curtesy of DFMA (Durham FM Assoc), Danny Hampton, and Charlie Dhurst.









**RARS Repeaters
Fair Grounds**

Technical Information

W4DW
146.64 Mhz
Transmit PL 82.5
AGL Height 315'
AMSL Height 806'







RARS Repeaters Bayleaf

Technical Information

W4RNC

444.525 Mhz

Transmit and Receive PL 82.5

AGL Height 266'

AMSL Height 746'



RARS Repeaters RTP

Technical Information

W4RNC

145.130 Mhz

Transmit and Receive PL 82.5

AGL Height 219'

AMSL Height 622'

UHF linked to Fairgrounds

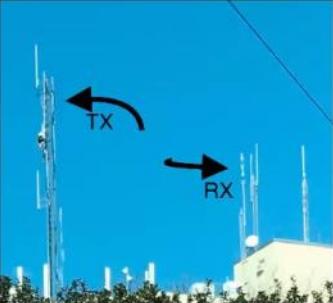




RARS Repeaters Capital Towers

Technical Information

W4RNC
D-Star
Frequency TBA
AGL 200'
AMSL 627'
Co-located with Raleigh DMR





RARS Repeaters Capital Towers

Technical Information

Both DMR and D-Star systems will share
RX and TX antennas

Tested used antennas were supplied to
RARS by Charlie Dhurst and Danny
Hampton

Charlie Dhurst arranged a rigging crew
to install the antennas at cost for RARS



April 11, 2023 RARS meeting, continued



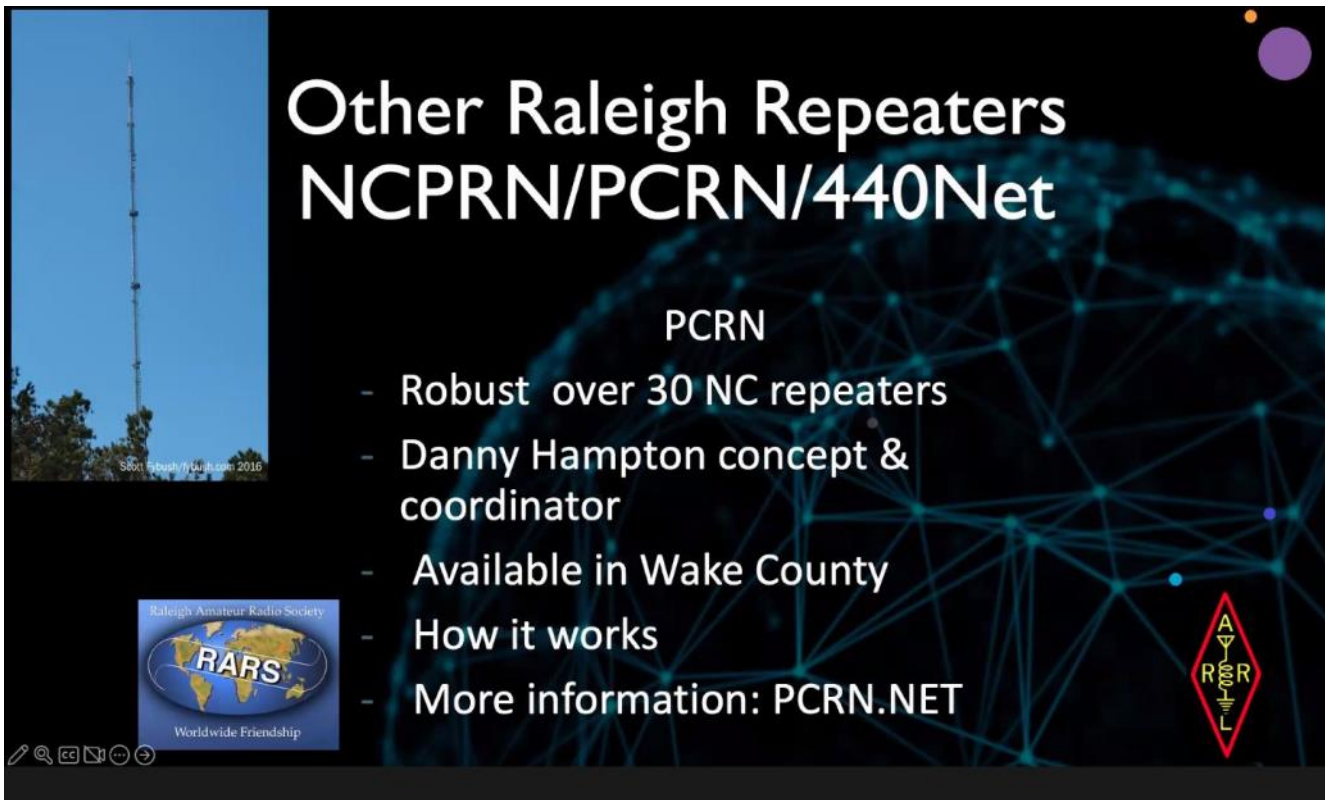
Other Raleigh Repeaters NCPRN/PCRN/440Net

NCPRN

- Robust Tri State Digital Repeater System
- Danny Hampton concept & coordinator
- More than 30 repeaters across NC
- More than 20 repeaters in SC
- Tied into SCHEART
- 3 in SW Virginia
- 3 in Texas
- More information: NCPRN.NET

Raleigh Amateur Radio Society
RARS
Worldwide Friendship

AYR RARS



Other Raleigh Repeaters NCPRN/PCRN/440Net

PCRN

- Robust over 30 NC repeaters
- Danny Hampton concept & coordinator
- Available in Wake County
- How it works
- More information: PCRN.NET

Raleigh Amateur Radio Society
RARS
Worldwide Friendship

AYR RARS

<http://pcrn.net>

<https://www.rars.org>

April 11, 2023 RARS meeting, continued

RARS Repeaters Questions






Resources

RARS Repeater Operating Guide
www.rars.org/repeater/rptrguide.php

A New Ham's Guide, How to Use Amateur Repeaters by N4UJW
www.hamuniverse.com/repeater.html

RARS Net Schedule – 146.64 W4DW
www.rars.org/nets.php

ARRL Repeaters – What Are They and How To Use Them
Arri.org/files/file/technology/tis/info/pdf/repeater1.pdf




























































[RARS - The Raleigh Amateur Radio Society](http://www.rars.org)

[How to Use Amateur \(Ham Radio\) Repeaters- A New Ham's Guide to Repeaters \(hamuniverse.com\)](http://hamuniverse.com)

[RARS | Nets](http://www.rars.org)

April 11, 2023 RARS meeting, continued

 TL Tom Lewis, N4TL Raleigh ...	 C Chuck	 K- KA9QJT - Brian - Raleigh
 Mark - KM4JRH - Not Pr...	 CK Chuck K4RGN RaleighNC	 K- KE4IHX - Al - Roxboro
 JH John Honeycutt N8ZU	 CK Chuck, K4HF - Raleigh	 KL Ken Latchum AD4GX Raleigh
 NK Nancy KB2TNC	 CR Chuck/W3WZN Raleigh	 LK Larry K4LXV Raleigh
 19842252503	 DW dennis wz0q	 LW lee WB4DRJ
 B BOB	 DA Doug AD4UL, Melbourne, Fl	 N4BJH Joe Wake Forest
 BC Brock Card	 DN Doug N3LTV Raleigh NC	 NB N4GEB Bob
 HG Howard Goodman, N4KYW	 EB Ernie Bauer - N4AEW	 RK Randy Kemp - KI4BRZ - Fuquay
 MM Murray Merner, K4MHM, Ralie...	 EN Ernie NC4EW Oak Ridge	 RK Richard Kroeger N1FUA Apex
 PB Philip Brown	 Greg KE4PAX	 R- Rob - K4RWR Raleigh
 Tom Karches	 HK Hugh KD4WJD Wendell	 RK roger k4klk Raleigh
 WW WILBUR WD4RDT	 I iPhone	 R RoseHampton
 19195597103	 JK Jack K8TO, Denver, NC	 Roy KT4EM, Raleigh
 AA Alan AB4OZ	 JK Jeremy K2HJX Raleigh	 SK sam KN4RWI
 BK Ben KN4RFT	 JK Jerry KE4TTS Cary, NC	 Stephen - NY4NC - Wake Fores
 BI BW iPhone	 JW Jim W1XR	 Tadd (KA2DEW) Torborg
 CD Carl Davis, W8WZ New Orleans	 JK Joe KM4WRQ	 Tony K1OC - Apex
 CL Carl Lindner KM4GBE Cary	 JK Jon KG6K Durham	 W WA4OSS-CHARLES
 Charles Murray	 KL K4BYN Louis	 WW Will WA4GK Durham

57 people attended

Monthly In-Person RARS Gathering

Ridge Road Baptist Church, at [2011 Ridge Road, Raleigh](#)

Part show-and-tell, part maker faire, part operating event, the RARS Gathering is the event to attend if you want to find out about the local ham community, meet other ham radio operators, see hands on demos of old and new ham radio equipment, get on the air, and exchange ideas in a fun forum. Members and non-members are welcome.

The meeting starts at 7:00 pm in the Fellowship Hall, but we start setting up at 6:00 pm, and you are welcome to bring your own ham radio equipment and projects to demonstrate, show off, or just work on with other like-minded hams -- we have plenty of tables. You might also find sources of coax, connectors, zip cord, Powerpoles®, and whatnot.

Monthly In-Person RARS Gathering, April 25



Standing from left to right Doug Wall, N3LTV; Paul Wolf, call soon to be issued.

Sitting from left to right, Ed diGirolamo, KQ4HTF; Sam Harris, KQ4AQJ; Craig McCrary, KY4WM.

Paul Wolf drove from Newport News Virginia to take his FCC exams. He passed all three exams from Technician to Amateur Extra. Welcome to the hobby Paul. Sam was making QSOs on 40 meters before the picture was taken.

Pictures by Tom, N4TL

Fourth Tuesday RARS Monthly Event Continued

April 25



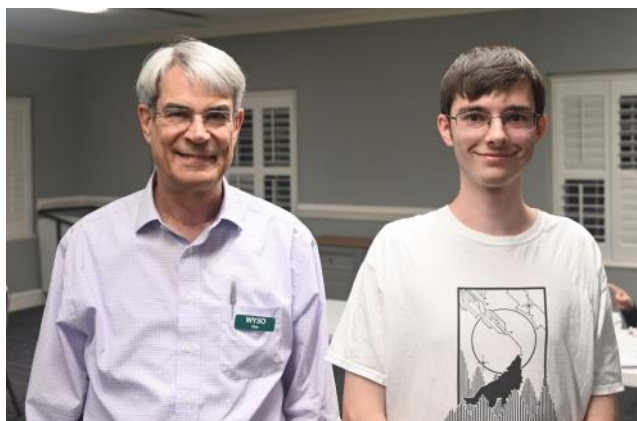
Hams and friends at the RARS In Person Meeting



Working on soldering various items

Pictures by Tom, N4TL

Monthly In-Person RARS Gathering, April 25



Picture by
Tom, N4TL

Dan Stancil, WY3O and Joe Schroedl, KO4TCY.

Dan is the faculty adviser for the NC State Radio club, W4ATC. Joe is a senior electrical engineering student at NC State. The Amateur radio station at NC State, W4ATC, was established in 1930 at what was then called the North Carolina Agricultural and Technical College, or State College. Joe asked if some experienced Hams could help with the new antenna at radio club. A number of hams helped out.

Working on NC State Radio club, W4ATC Antenna



Picture taken by Will Rowland, N4GTI.

Names Left to right

Dennis Oestreich, KO4IBL; Richard Adams, KJ4FJG; Joe Schroedl, KO4TCY
Charles Swindel, WB4DCM; Tom Lewis, N4TL; Ken Latchum, AD4GX

May 1, 2023, NC State Engineering building.

Assembling a Hy-Gain TH-7DX HF Beam Antenna.

See [page 28](#) for
more information

Future RARS Meeting Topics

Titles, topics, and speakers subject to change.

June: RARS Field Day Arrangements. Curt Phillips W4CP.

July: Preparing for SK. Dino Papas KL0S.

August: Contesting 101. Carl Davis W8WZ.

During the Zoom meetings please keep
your microphone muted.
Please edit your name so your
Name, Call and Location are shown.

RARS Repeaters in Raleigh

146.640 And 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS web-site click here. <https://www.rars.org/nets.php>

April 2023 RARS Net Report

Thirty 2m nets:

425 Checkins,

791 minutes duration

Julie Royster, KT4JR

RARS Member Birthdays

Richard	K7RLH	05/01
Angus	KO4LZU	05/01
George	N2GXC	05/01
Matt	NC4SU	05/03
Ron	KJ4DNS	05/04
John	KJ4JAS	05/04
Julie	KM4JEN	05/04
Larry	KG4FIQ	05/05
Liz	KO4CK	05/05
Michael	KG5AWR	05/06
Renard	KC4AQC	05/07
Wayne	K6TWX	05/08
Hank	K4HM	05/08
John	N4JMB	05/08
Alanna	K4AAC	05/08
Brian	KA9QJT	05/10
Bob	NC1X	05/11
David	KC4DFB	05/12
Chuck	AE4CD	05/12
Jason	KX4HV	05/13
Joe	AF1E	05/16
Frank	W4NPN	05/17
Bill	AK4BL	05/20
Phillip	N4HF	05/23
Joe	K4UOO	05/24
Gray	KQ4CWB	05/29
Hugh	KD4WJD	05/30
Neil	KM4JEL	05/31
Ken	AD4GX	05/31

New Members

Ray Smith	KQ4GGZ
Patrick Tarry III	K4EEVB
Mary Kelly-Crapse	KI4PAF
Jim Barker III	KD4RND
J Trent Hicks	KQ4GAM
Norm Burtness	WX7NDB
Andy Smart	KG4UMU
Ryan Parker	KN6ARB
Edward di Girolamo	KQ4HTF
Jason Burke	KQ4HRX
Tyler Harris	WX7MTH
Jim Smith	KQ4HSG
Edward Hammitt	KQ4GOZ
Jimmy Baker	KD4VNN



HAM RADIO LUNCHEON

Everyone is welcome!

Every Thursday at 11:15 AM, New York Diner,
909 McKnight Drive Knightdale.

<https://www.facebook.com/NewYorkDinerNC>

Check the latest information on the AB4OZ QRZ entry. QRZ.COM.



April 10, 2023, Names clockwise around the table

Dennis Mason, WZ0Q; Alan Pitegoff, AB4OZ; Chuck Littlewood, K4HF; Tom Lewis, N4TL;

Bob Chapman, NC1X; Charlie Strickland, WA4OSS; Howard Goodman, N4KYW;

Dave Guthrie, WA4DAG; Walt Chambers, K4ZVK & Ken Latchum, AD4GX

Picture by our waiter

RARS Monthly Supper, IHOP Restaurant

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the IHOP Restaurant, 7471 Six Forks Road, Raleigh. The restaurant is on the corner of Sawmill and Six Forks Roads. After entering the restaurant and lobby, move to the left to the glass window enclosed private room. Sometimes we are in the main dining room. Informal and Dutch, just bring your appetite and best rag to chew.

73, Chuck, K4HF

Tuesday May 2, 2023 at the IHOP Restaurant



Picture by our waitress

Left to right

Bruce Woodry, W8TWT; Jon Suen, KG6K; John Honeycutt, N8ZU; Dennis Mason, WZ0Q;

Chuck Littlewood, K4HF; Mary Jo Littlewood, K4MJL;

Jan Lewis; Tom Lewis, N4TL; Alan Pitegoff, AB4OZ;

2023 RARSfest Pictures

From Nick England, K4NYW

[Raleigh NC Hamfest April 2023 - Google Photos](#)

From Brian Harrison, KN4R

[Raleigh Hamfest 8 Apr 23 - Google Photos](#)

From Martin Brossman KI4CFS & Charles Murray KI4DCR

[RARSfest 2023 - photos/video by Martin Brossman KI4CFS & Charles Murray KI4DCR - Google Photos](#)

Cash prize winners from RARSfest 2023 – April 8, 2023.

9:00	Pre-registration	\$100	Scott Ramsdell	N1FJB
10:00	Hourly	\$100	Bob Chapman	WB4FTU
11:00	Hourly	\$100	Arthur Costa	N2MIN
12:00	Hourly	\$100	William Powell	KQ4CLZ
1:00	Hourly	\$100	Eddie Robetson	WA4MXA
2:00	Hourly	\$400	Chuck Conner	

73,
Greg KE4PAX

Intro to Digital Voice Mode

This is a copy of a presentation that was given at RARSfest.

[Working D-Star With Your Own Hot Spot \(rarsfest.org\)](#)

RARSfest VE test results

The Raleigh Amateur Radio Society VE Team conducted the test session.

Joe White is the team leader.

Here is the data for this session.

45 Applicants

59 Elements Taken

13 New Techs

1 New Generals

1 New Extra (Hat Trick) WOW

9 General Upgrades

5 Extra Upgrades

Here are the Outstanding VEs for this Session:

Joe White WA4GIR Team Leader

Liz White KO4CK Deputy Team Leader

Louis Voerman W2ROW

Robert Bergmueller K3COD

Chris Cancilla W4CEC

Lowell Sayles K4EUP

William Gwaltney Jr WA4GK

Kenneth Kubacki Jr NE4Y

Richard Spargur K3UI

Stanley Disbrow Jr W2CK

Jeffery Webster KX4ZQ

Mark Gibson N4MQU

Again awesome job by this team and thank you Raleigh Hamfest for allowing the Laurel Amateur Radio Club VEC to participate in this year's Hamfest.

Wally Denison

Laurel VEC Regional Coordinator

VEC Region 4

Roanoke, VA 24019

2023 NC QSO Party

The results have been posted at this website,

[Results 2023 – North Carolina QSO Party \(ncqsoparty.org\)](https://www.ncqsoparty.org) .

NCQP 2023 First Place Plaques were picked up today. Today is also RARSfest 2023 at the NC Fairgrounds in Raleigh. While delivering the plaques to NCQP Chairman Marty, W4MY, we happened to meet Dick, N4HAY, winner of the Single Op/ NC/ Mixed/ QRP Class. So, we were able to present Dick with his plaque in person



Marty, W4MY, presenting Dick, N4HAY, with his plaque.

Dick is the winner of the Single Op/ NC/ Mixed/ QRP Class. This is at the 2023 RARSfest.



During the RARSfest 2023 at the NC Fairgrounds in Raleigh. NCQP plaques were awarded.

Interesting Websites and Information

GPS info

How does GPS work, how many systems are there?

https://www.youtube.com/watch?v=FU_pY2sTwTA

What's your grid square?

This is a free GPS app that will tell you in real time what your grid square is.

It's called GPS Test. You can install it in your smart phone.



Screen showing how many satellites are being tracked. Tap on the map to go to the map screen.



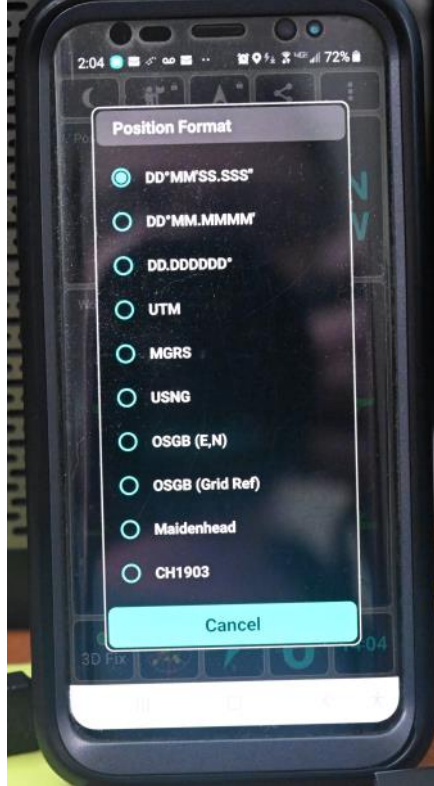
Screen showing the world map and your location. Tap on the Lat/Lon numbers at the top to find your grid square.

Interesting Websites and Information, continued

GPS Test



Screen that allows you to change the format of your location. Tap format.



Tap on Maidenhead followed by save.



Screen showing your grid square.

Tesla 16 volt low voltage battery

Will other car manufactures follow? Some newer Tesla EV have changed their low voltage battery from Lead-Acid 12 volt (13.6) to Lithium-Ion 16 volt (15.5-15.8). You can learn about all the details at the Weber You Tube channel.

[Tesla's 16V Li-Ion Battery - YouTube](#)

73 Tom N4TL

Interesting Websites and Information, continued

Florida Radio Repair

Every now and then, someone wants to know where to get his or her radio fixed. That is without shipping it to the other, side the country. Here is a place in Florida. Let me know if you know of other places.

N4ATS fixes Amateur radio and amplifiers.

His website is N4ATS.com.

73 Tom N4TL

Free AB4OZ Hamfest, Weather permitting

The free AB4OZ Hamfest will be Saturday, May 13, 2023. Setup at 9AM. Start time is 10AM. New location, Golden Corral Restaurant rear parking lot. 3551 Grenelle street, Raleigh NC 27603.

Check the latest information here QRZ.COM.

RARS Membership links

Use the following link to verify / update your membership profile.

<https://www.rars.org/userprofile.php>

Use the following link to renew your membership.

https://www.rars.org/membership_renewal.php

<https://www.rars.org>

RARS Classifieds

Copied from <https://www.rars.org/classifieds.php>

The items below were listed within the last 30 days on the RARS website.

Check the RARS Classified List on the RARS website regularly for new items.

FREE! Assorted databooks

Posted April 27th, 2023 by: KM4EP

Contact: jdiepenb@earthlink.net

I have a number of semiconductor data books that would like a new home. You can have them free:

Signetics TTL Data book, 1986

Exar Databook

Siemens Linear and Digital Integrated Circuits, 1988/89

Maxim New Releases Data Book, volume II, 1993

Motorola Zener Diode/Rectifier Handbook

Motorola Switching Transistor Handbook

Motorola 8-bit Microprocessor & Peripheral Data

Motorola Small-Signal Transistors, FETs, and Diodes, 01.89 rev. 2

Motorola Bipolar Power Transistor Data, 02/92, rev. 6

Philips General Purpose Linear ICs, 1995

National Semiconductor General Purpose Linear Devices Databook, 1989

National Semiconductor Special Purpose Linear Devices Databook, 1989

Texas Instruments The TTL Data Book for Design Engineers

Texas Instruments Linear Circuits Data Book, vol. 1, Amplifiers , Comparators, and Special Functions, 1989

Texas Instruments Linear Circuits Data Book, vol. 3, Voltage Regulators and Supervisors, 1989

Call (919-781-2682) or email me at jdiepenb@earthlink.net

Wanted: Rotator Repair

Posted April 26th, 2023 by: W4BOH

Contact: infomet@embarqmail.com

Is anyone local doing this?

I think there used to be a guy in Knightdale?

Wilson

RARS Classifieds continued

Good stuff, Exc condx for Sale

Posted April 22nd, 2023 by: K4RLC

Contact: bconder@yahoo.com

Spring Pre-Dayton Sale:

1) sold

2) sold

3) MFJ-1708SDR Transmitter switch. SO-239. Asking \$50.00. Made in ?;

4) Begali Simplex MONO CW key with Palladium base, silver plated components & dust cover. Extra Aluminum finger pieces (Blue). Original box. Barely used. Beautiful work of art key, but doesn't work with my stiff hands. Paid \$220 US (\$200 Euro) for key and extra finger pieces. plus shipping. Made in northern Italy. Asking \$175.

No shipping; Pick up or Will bring to RARS "Gathering".

Bob K4RLC Bconder@yahoo.com

Posted 4/26/23

KX 2 Shack-n-a-Box

Posted April 18th, 2023 by: KT4EM

Contact: rwphile@gmail.com

Purchased May 2019. Works fine. Includes KXAT2-F tuner, KXIO2-F clock, battery pack and charger, ground plug, ES60 case, 2 MH-3 MICS, Elecraft manual, KX2 Book by Fred Caddy, AX-B1 Whip bipod, AXT1 Tripod adapter, BNC M-binding posts, BNC right angle M-F, Side KX end panels and cover, QRP Guys 40-10m UnUNTenna, Rocket City 3D 20 watt dummy load kit, MFJ 11889T antenna, Signal Link USB with cable. All for \$1400.00. Local pickup only. Cash or Venmo.

FS: Dual Fuel Portable Generator

Posted April 14th, 2023 by: NC1PA

Contact: parmstrong256@gmail.com

Hi Everyone,

I have a GPower dual fuel (gasoline and propane) portable generator that's never been used for sale. Asking \$475.00

RARS Classifieds continued

It was purchased less than 2 yrs ago and comes with a cover, the wheel kit, and the propane hose. It has 5250W Starting/4250W Running for gas, and 4750W Starting/3800W Running on Propane. The full specs are here: <https://g-pamerica.com/products/gn5250dw/>

Thanks for looking., Paul, NC1PA

FS: Antenna Switches

Posted April 13th, 2023 by: W4BOH

Contact: infomet@embarqmail.com

MFJ 1702CN Two position, N connectors, two available, \$25 each

Jetstream JTCS-4AM, Four position, N connectors, one available, \$50

In Hillsborough, can be picked up in Morrisville

Wilson, W4BOH

Programming language book for sale

Posted April 11th, 2023 by: N4TL

Contact: n4tl2@yahoo.com

Learning Perl by Randal Schwartz and others. published by O'Reilly. \$39.99 new price. Yours for \$10.00

73 Tom N4TL

Icom 718 with Everything Needed

Posted April 8th, 2023 by: KD9ABR

Contact: mattcanon28@yahoo.com

Great Package for a Beginner

Icom 718

SEC 1223 Power Supply

LDG IT-100 Antenna Tuner

80 meter End Fed Half Wave Antenna

50ft Coax Cable

Light Usage

Asking \$750

RARS Classifieds continued

W4KIS (SK) James Emery Nash, Jr. Heathkit Collection

Posted May 1st, 2023 by: K4ACS

Contact: k4acs.1997@gmail.com

It's been a year since my dad went SK and have his radio gear inventoried for sale. As much as I loved the equipment as a kid I do not have any real experience in repairing it. So I've decided these need to go to homes that can make use of them. I have added a few of my own pieces as well to be included. I cannot ship so local pickup is necessary. None of the pieces will be parted out but sold as is, not working. Reasonable offers will be considered. If they go to a good home and get restored or are useful in some way, all the better.

SB-401 #1. - Recapped. Was at the step for resistance checks. With tubes. With manual.

SB-303 - untouched not powered on since the '90s. With Manual.

SB-600 one with speaker, one without.

SB-610 Monitor Scope - was recapped by PO and worked but focus needs repair.

SB-620 Scanalyzer - My own - untested but looks like it was built for 3395kHz IF.

SB-630 Station Clock/Phone Patch - rebuilt, works.

SB-401 #2 my own acquisition as parts donor unit. Was in a smoker's QTH about 25 years ago. Paint is flaking from smoke and nicotine.

SB-301 my own - was purchased with my SB-401. Rebuilt and worked fine for a couple of years but sound went out. Case is partially stripped of paint due to smoke and nicotine.

HW-101 with HP-23B PSU with cable kit - My own - Bought at auction. Not tested but seems to have one mod visible as a knob on the face just left of the meter.

None of the interconnect cables for the SB series were located.

Hammarlund HQ-150 - untested, no speaker

Hallicrafters S-40B - appears to have gotten a solid state rectifier mod.

I also have a large RCA tube caddy with tubes. Mostly TV tubes. I have a smaller tube caddy with several tubes. Most are TV type.

There is also an OL-1 and an O-12 oscilloscope. The OL-1 was electronically rebuilt and partially functions and comes with an extra CRT. The O-12 is untested but rebuildable.

RARS Classifieds continued

Like New Brother MFC-J5845dw B/W Color office grade printer - 35 pages per min!.

Posted May 1st, 2023 by: N4VF

Contact: n4vf@nc.rr.com

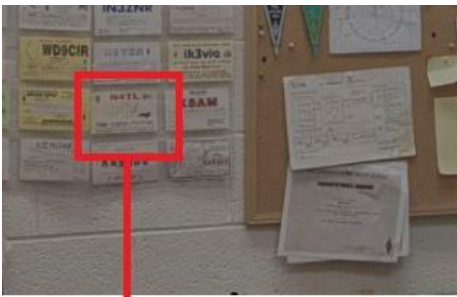
I have a like new (~277 pages printed) Brother MFC-J5845DW printer that needs a new home! This "Business SMART" by Brother beauty is slightly larger than the average desktop printer. It is fast and prints very well. Prices on various forums range upwards of \$250 to over \$600.

It is available to RARS members for \$100.00 and has to be picked up from my Cary, NC QTH.

All proceeds will be donated to RARS.

73 de Al Clement, N4VF (4th RARS President) n4vf@nc.rr.com

The NC State Student Amateur Radio Society (W4ATC StARS)



N4TL, Your editor's
QSL card from a
6 meter SSB contact
July 24, 1996.



The W4ATC Shack, 2022



The radio shack is being moved from its current location to the Centennial Campus. The move should be done in about a month or so. See [page 13](#) for a picture of the new antenna.

FIELD DAY 2023 IS COMING!!

We need CW Operators, Phone Ops AND YOU!

FIELD DAY 2023 IS COMING!! And we need CW Operators, Phone Ops AND YOU!

That's right, Field Day is coming up fast! This is amateur radio's most popular event of the year! Officially, it's Saturday and Sunday, June 24 and 25, but set-up starts on Friday, June 23rd.

Great food, fun and fellowship will be had, along with learning experiences which will make you a better, more knowledgeable amateur radio operator and emergency communicator!!

If you are new to radio, or even have some experience, you can learn about antennas, feed-lines, radios, generators, putting up tents and how to put together an HF (shortwave) station, even in less than optimum conditions. We take something like a meadow with a few trees, and in a few hours turn it into an independent communications center, capable of operating on several frequency bands at the same time and making contacts around the continent, and even around the world.

Then on Sunday, we return the area to its natural state!

If you or a family member or friend has never made a contact via HF (shortwave) radio, or if you're out of practice, we will have a GOTA (Get On The Air) station which will teach what a person needs to do, and work with them to make some contacts!! No license is needed because a licensed control operator will be there. So encourage some of your friends and neighbors to come out, find out about ham radio and talk to people over the air! The wonderful Carroll farm is no more, so this year we will be holding Field Day at the



FIELD DAY 2023 IS COMING!!

We need CW Operators, Phone Ops AND YOU!

Raleigh Police Club (3500 Leonard Rd., Knightdale NC). It's a very nice venue. We used it several years ago, and it was great. Our GOTA station will be in their air conditioned clubhouse, as will our communal meals. And it has "real" bathrooms... previously we had "Porta-Potties." So we'll be in the lap of luxury this year!

Oh yes, FOOD!!! We'll have pizza on Friday night for the hungry set-up crew! And on Saturday night, we'll have our FEAST (including, by popular demand, BBQ pork!!) Sunday lunch will be our plentiful left-overs, supplemented as necessary, and all in-between we'll have snacks, soft drinks and the ever popular COLD water!!

And WE NEED YOU!! We need assistance in several areas. CW operators are very much needed, because CW contacts count for 2 points. But if CW isn't your preference, we need lots of phone operators as well. We'll also have a station on the digital modes, so if you want to see the now famous FT-8 mode in action, you'll have the chance. If you want a job, just let me know and we'll find something especially for you! Or come out and be a "utility" person, helping in several areas and learning numerous skills!! Just contact me at curt@w4cp.com and we'll discuss what will be best for you!

And if you're already an expert in all of these areas, wow can we REALLY use YOU!!

You can read more in depth about Field Day at the American Radio Relay League's website, <http://www.arrl.org/field-day>.

Or give me a call, and we'll talk it over.

NOW is the time to make your plans to participate in Field Day. The trees and tents and radios and your fellow radio hobbyists are calling you to be there!! Don't let them down!!

73,

Curt Phillips W4CP

curt@w4p.com

919-896-3889

